FIFTH BIENNIAL TRI-LABORATORY ENGINEERING CONFERENCE

October 21-23, 2003

Call For Abstracts

Abstracts due: July 1, 2003

Locations:

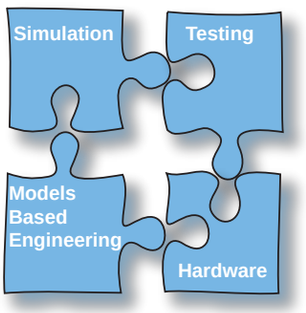
The Fifth Biennial Tri-Laboratory Engineering Conference will be held at the Eldorado Hotel in Santa Fe, New Mexico.

Classified sessions will be held at Los Alamos National Laboratory, Los Alamos, New Mexico.

Join us at the Fifth Biennial Tri-Laboratory Engineering Conference to be held at the Eldorado Hotel in Santa Fe, New Mexico, October 21–23, 2003. The Tri-Laboratory Engineering Conference is the latest evolution of engineering simulation conferences that started with the CUBE Symposium in 1974.

PURPOSE AND BENEFITS

This conference focuses on computer modeling and simulation in support of engineering design, product performance, and manufacturing processes. The diagram on the right is a graphic representation of the conference purpose. Engineering at the three labs consists of the four areas and the relationships between them.



The Tri-Lab Engineering Conference is organized to provide an informal setting for the exchange of information on recent developments in engineering, including specific applications in, as well as the relationships between simulation, testing, hardware, and models-based engineering (MBE). The conference will benefit the participants and their respective laboratories by providing a forum for:

- Discussing solutions to engineering problems in nuclear and conventional weapons and energy programs
- Providing creative approaches to the solution of engineering problems
- Exploring trends in computation and their impact

Tri-Lab has both unclassified and classified sessions so ideas can be exchanged at the appropriate level of confidentiality.

IMPORTANT DATES

July 1, 2003—Abstracts due to your Laboratory Principal Contact
September 20, 2003—Pre-registration and hotel reservation cut-off
October 20, 2003—On-site registration (6:00 – 8:00 p.m.)
October 21–23, 2003—Tri-Laboratory Engineering Conference, Santa Fe, New Mexico

REGISTRATION

Registration fee for all conference participants is $300 ($325 late fee). Pre-registration is encouraged and walk-in registration at the conference will be accommodated. Registration is limited to scientists and engineers from Lawrence Livermore, Sandia, and Los Alamos National Laboratories to preserve the informal setting. Co-authors from other institutions may attend if the Laboratory author also attends.

CALL FOR ABSTRACTS

The Fifth Biennial Tri-Laboratory Engineering Conference is soliciting abstracts for classified and unclassified technical presentations. Presentation of work at this conference does not preclude its presentation or publication elsewhere; nor does previous presentation elsewhere prohibit its presentation at Tri-Lab.

The conference is especially interested in the following topics:

- Multi-Physics Modeling and Analysis
- Micro-Electro-Mechanical Systems (MEMS)
- Meshless Methods
- Time Domain Electrodynamics Modeling
- Constitutive Material Models

Additional Topical Areas

- MHD & Plasma Phenomena
- Signal & Image Processing
- Control Systems
- Fluid Mechanics
- Heat Transfer
- Structural Dynamics
- Hydrodynamics
- Electromagnetic and Photonics
- Optics
- Material Modeling
- Optimization
- Combustion
- Vulnerability
- Surety
- Model Based Engineering
- Uncertainty and Sensitivity
- Validation & Verification
- Structural Health
- Manufacturing & Process Modeling

HOW TO SUBMIT AN ABSTRACT

The Tri-Laboratory Engineering Conference is an informal informational exchange among the scientists and engineers; therefore, there are no written papers. Only abstracts are published and distributed to registrants at the conference.

Prepare an unclassified abstract (300 words or less) using the Microsoft Word template provided on the Tri-Lab web site (http://www.lanl.gov/projects/ncsd/trilab.htm). Presentations may be classified, but abstracts must be unclassified. Send an electronic copy in Microsoft Word format to your Laboratory Principal Contact by July 1, 2003.

Presentations are limited to 20 minutes each, including time for questions. An overhead projector, lap top projector, and VCR (VHS format only) with monitor are the only audio-visual equipment provided.

All abstracts are to be reviewed by your classification office and the number entered on the abstract before submitting for each respective Laboratory.

LABORATORY PRINCIPAL CONTACTS

Los Alamos NATIONAL LABORATORY

Snezana Konecni
(505) 665-5546
konecni@lanl.gov

Kay Y. Matsumoto
(505) 665-5906
kay@lanl.gov

Lawrence Livermore

Wayne O. Miller
(925) 424-4472
miller99@llnl.gov

James F. McCarrick
(925) 423-8182
mccarrick1@llnl.gov

Sandia National Laboratories

Steven N. Kempka
(505) 844-8918
snkempk@sandia.gov

Chris Moen
(925) 294-3709
cmoen@sandia.gov

This announcement is available on the World Wide Web and up-to-date information will be posted as it becomes available. The address is URL: http://www.lanl.gov/projects/ncsd/trilab.htm.